



# **Instruktionsbok User's Manual**



**We -1400 / 1700 / 2200**

***Weimer***

## Introduction



The hydraulic winch WE-1400,1700,2200 are assembled on a crane. The winch is controlled with a control lever on the carriage and by radio. We thank you for the purchase of this hydraulic winch and hope that you will be fully satisfied with the product.

Manufacturer: Weimer Hydraulik ab  
Råskog  
575 91 Eksjö, Sweden

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Fax: +46-381-711 44  
E-mail: info@weimer.se

The present manual contains guidelines for maintenance of the hydraulic winch. Before operating the winch read this manual and make sure that you have understood the principles of operation of the product. The manual describes assembly, maintenance and servicing of the device. Follow this manual to ensure reliable and faultless operation and continuance of validity of the manufacturer's guarantee. For extensive maintenance or repair works contact your retailer or Weimer Hydraulik ab.

We preserve the right to introduce changes without giving an advance notice.

We hope that you will be completely satisfied with your new hydraulic winch.

## Confirmation of correspondence to EU requirements, EC Declaration

**Weimer Hydraulik ab**  
Råskog, 575 91 Eksjö, Sweden

declare under our sole responsibility that the product

Hydraulwinch We-1400 / We-1700 / We-2200  
without or with radio device

to which this declaration relates is in conformity with the Machinery Directive  
89/392 as amended by the EC Directive 91/368.

Eksjö 2010-04-06

Urban Johansson  
Managing Director  
Weimer Hydraulik ab

## Delivery

Check the delivery so that all parts are provided with mounting

### Winch without tubes and valve

Winch part  
Mounting iron with brackets  
Wire 6mm a 40m alt 8mm a 35m  
Snatch block

### Winch with manuel valve

Winch part  
Mounting iron with brackets  
Wire 6mm a 40m alt 8mm a 35m  
Snatch block  
2 pcs 3/8" tubes  
Manuel valve  
Adapters and a plate  
2 pcs 1/2" tubes

### Winch with radio device

Winch part  
Mounting iron with brackets  
Wire 6mm a 40m alt 8mm a 35m  
Snatch block  
2 pcs 3/8" tubes  
Elektric valve  
Adapter and a plate  
3 pcs 1/2" tubes  
Radio device

### Technical specification

Drawing force at 175 bar  
Wire speed at 40L/min  
Wire with hook  
Weight

### We-1400

1 400 kp  
0,45 m/sec  
6 mm / 40 m  
45 kg

### We-1700

1 700 kp  
0,36 m/sec  
8 mm / 35 m  
45 kg

### We-2200

2 200 kp  
0,29 m/sec  
8 mm / 35 m  
45 kg

## **Safety information**

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- ❖ Read the manual before operating the winch
- ❖ Riskzon of winching is 50 m
- ❖ Operating the winch always mind the hazard of capsizing. To achieve better stability, use supports and position the crane correctly.
- ❖ Before operating the winch and during operation keep people out of the danger area.
- ❖ Ensure good visual control of the whole operation area.
- ❖ Ceck for damage of wire. If the snatch block, wire or hook brakes it will thrown away with big forse, keep distance.
- ❖ Do not use the winch at tree felling
- ❖ The winch is not allowed for lifting, therefore conduct loading works with the crane.
- ❖ Do not use the winch for towing another vehicle or load
- ❖ Fix near the end of the log so it does not thrown away if it sticks

## **Maintenance and service**

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### **Regular checkups:**

- ❖ All screws and nuts must be tight.
- ❖ The cable must not be damaged.
- ❖ The hydraulic system must not leak.
- ❖ There must be no damaged areas on the hydraulic tubes.
- ❖ The electric cables must be no damaged and the contact is OK

### **Instructions for lubrication**

- ❖ Lubricate motor bracket and the wirewheel every 8 hour. It is better to lubricate more frequently rather than to use large amounts of lubricant at a time. Change damaged lubrication nipples.
- ❖ If winching in or out of the cable is difficult, spray some lubricant behind the drum.

## **Terms of guarantee**

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Weimer Hydraulik ab undertakes to guarantee for one years all details broken or damaged as a result of manufacturing or material defects. All products purchased from us - the engine, the valves and the radio device - are given a one year guarantee by our supplier.

The guarantee starts on the date of delivery.

The guarantee does not cover faults caused by normal wear and tear, negligence or misuse, incorrect assembly, insufficient maintenance or inadequate repair. The guarantee does not cover hydraulic tubes and their connections.

Expenses resulting from disassembly, assembly and transportation connected with the guarantee are not covered.

The guarantee holds if Weimer Hydraulik ab has been informed of the defect directly. The defect may be repaired after consultations between the client, the retailer and Weimer Hydraulik ab. If we deem it necessary, the machine/part has to be sent back to the manufacturer for guarantee treatment. In such case the make of the machine, production number, date of delivery, owner's name and address have to be indicated.

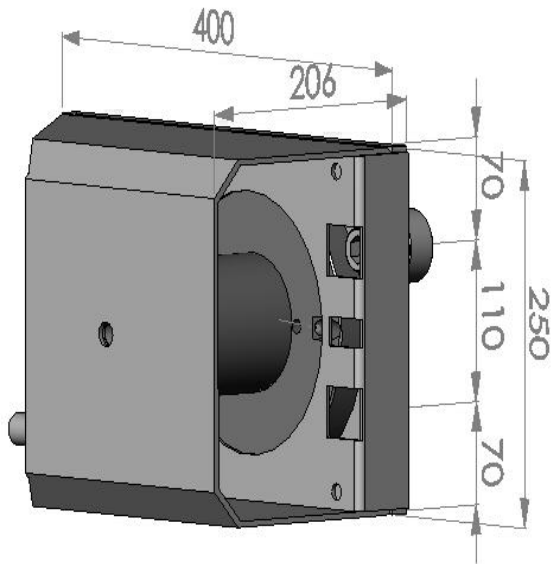
The guarantee is not valid if the machine has been modified to such an extent that it is no longer in its original form, for instance due to addition of supplements, installations, additional constructions, or use of spare parts not supplied by us.

Otherwise general procurement terms NL02 apply.



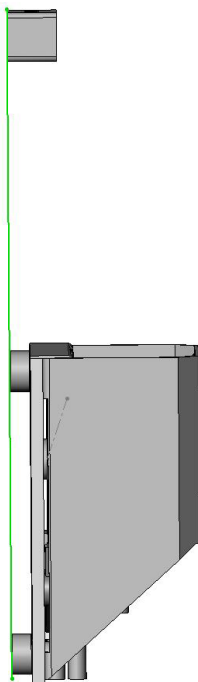
## Måttritning och infästningspunkter

### Dimension and attachment points



- Håll upp fixturen på bommens sidoplåtar
- Sätt vinschen så långt fram som möjligt och i höjd eller under ovankanten av bommen, se mått ritning ovan
- Märk upp och slipa rent från färg
- Mät in och svetsa fast
- Mycket viktigt att fästjärnen ligger i linje med taljans infästning, om inte bygg upp med plåtar
- Svetsa fast taljfästet i fästjärn på bommen så långt från vinschen som möjligt
- Montera upp vinschen

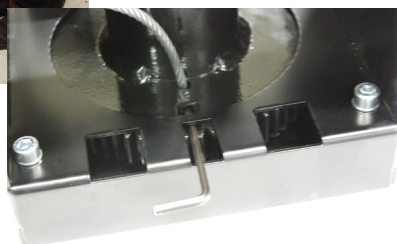
- Hold the fixture on the bom side plate
- Put the winch far in front as possible and in height or under the top of the bom, look at dimensions
- Mark and grind clean of paint
- Measure and weld
- Very important that brackets and wirewheel attachment are in line, if not build up with plates
- Weld the wirewheel attachment on the bom plates so far as possible from the winch
- Put the winch in place





Mycket viktigt att rulla upp varen

Very important to roll up the wire



Montera varen i trumman

Assamble the wire in the drum



Viktigt att varen går in på rätt sida på trumman

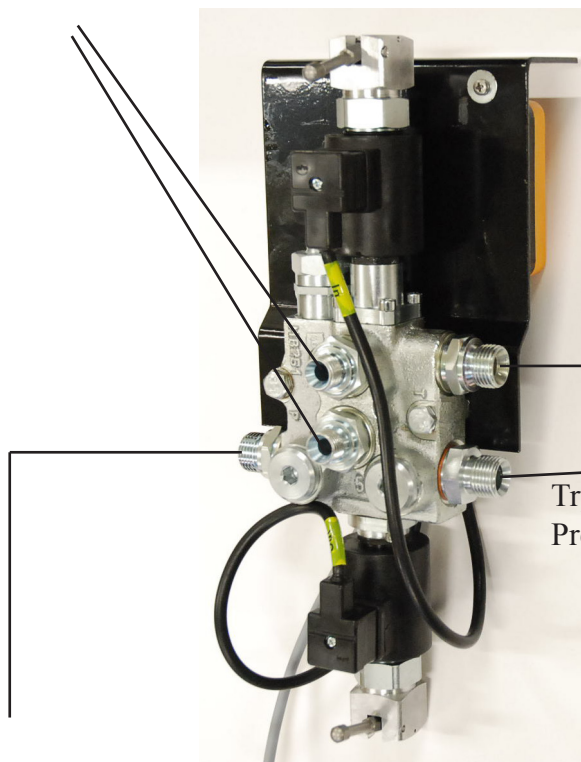
Important that wire will go in on right side of drum

Svetsa fast ventilplåten på lämpligt plats, kontrollera med slang, ventil och radio att det blir bra.  
Montera hydraul slangarna enl bild

Weld valve plate on a appropriate place, check with tubes, valve and radio device so it will be ok.  
Assamble the tubes according the picture

Till vinschen, 3/8" slang 90°-45°

To the winch. 3/8" tube

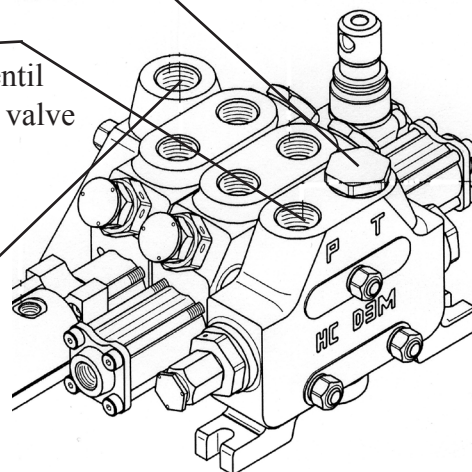


Retur från vinschventil, 1/2" slang 90°-IR med adapt  
Return from winch valve

Tryck till kran ventil  
Pressure to crane valve

Tryck från traktorn, 1/2" slang 90°-UF  
med snabbkoppling  
Pressure from the tractor

Retur till traktor  
Return to the tractor



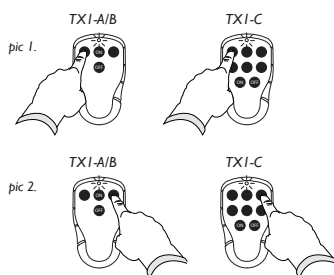
1. To perform the frequency shift the transmitter must first be turned on. Make sure the transmitter is on, then press the OFF button, then within three seconds:

2. Press and hold down OFF and ON (pressing OFF slightly before ON). This will make transmitter LED blink slowly for 5 seconds.

3. Press the indicated button featured in "pic.1" to shift DOWN in the frequency table.

4. Press the indicated button featured in "pic.2" to shift UP in the frequency table.

5. When frequency has been shifted the LED will blink three times in quick succession and the transmitter will turn off. The next time you turn on the transmitter it will operate on the new frequency. Please note that the next time the transmitter is started it might take a few more seconds for the receiver to find it.



## WARRANTIES

### CONDITIONS FOR WARRANTY

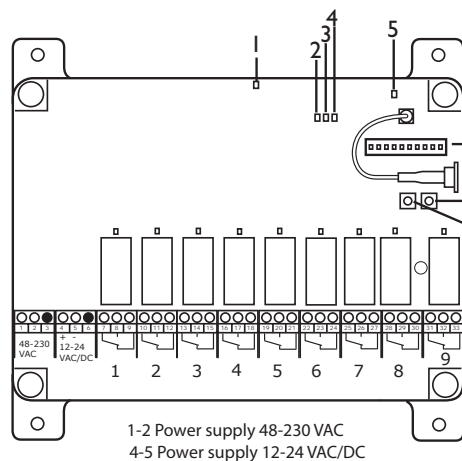
Tele Radio warrants its products against defects relating to materials, design and manufacture.

During the warranty period of two years Tele Radio will at its discretion either replace the product or replace defective components with new ones at no cost to the purchaser. The warranty work will be carried out by Tele Radio or an authorised service point.

The following are not covered by the warranty:

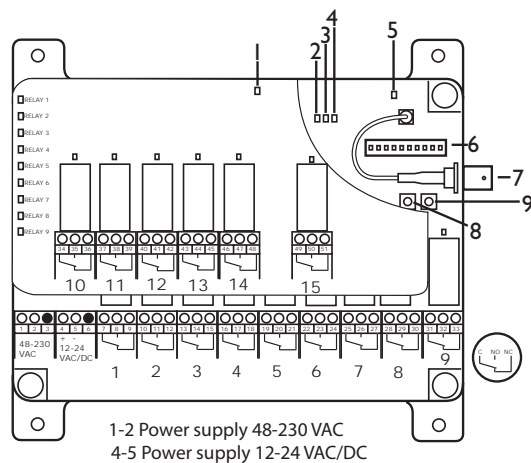
- defects caused by normal wear and tear,
- consumables,
- products modified in an unapproved manner,
- defects due to damage,
- apparent damage due to incorrect use/installation, or
- moisture/water damage.

## RECEIVER

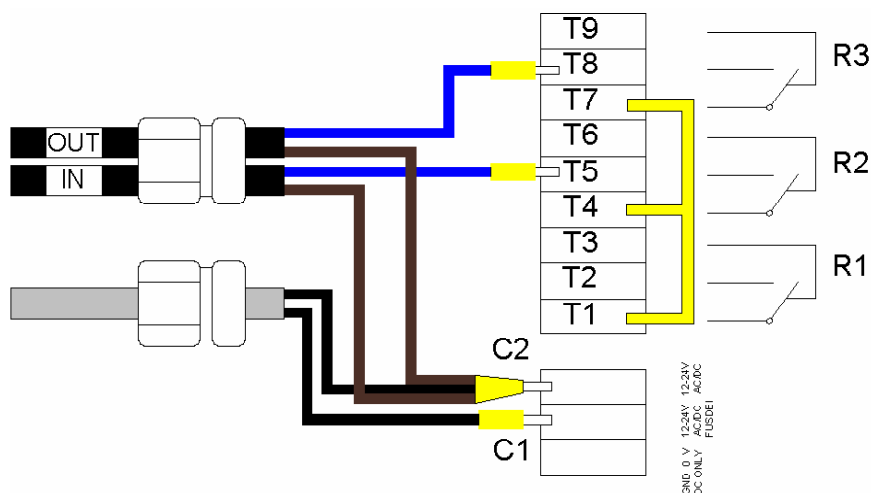


T70RX-09SB (RX2-A)  
T70RX-15SB (RX3-A)

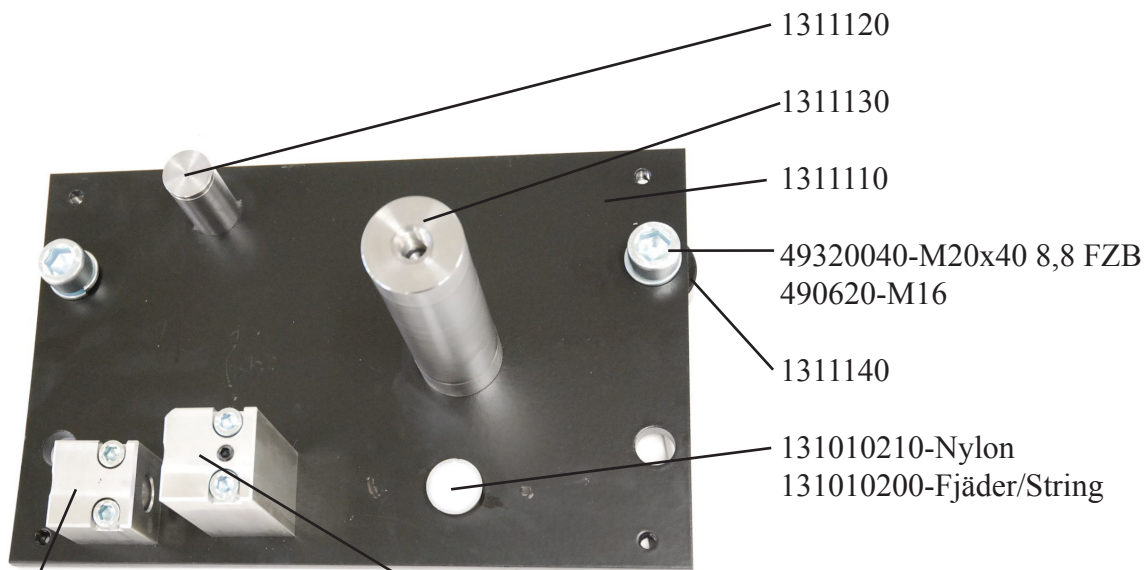
1. Yellow power supply LED
2. Red code storing LED
3. Yellow latch LED
4. Green interlocking LED
5. Logout LED
6. Receiver switch
7. Antenna connector
8. Function button
9. Select button



1-2 Power supply 48-230 VAC  
4-5 Power supply 12-24 VAC/DC





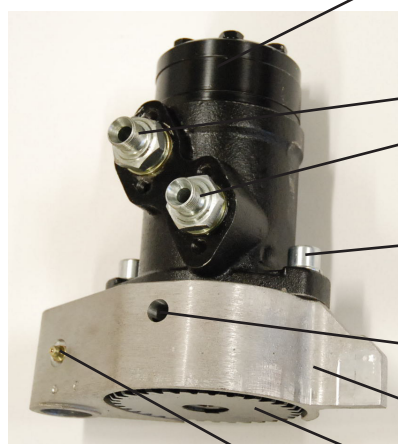


1311150-Cylinder 1  
1311170-Kolv/Piston  
42019200300-O-ring 19,2x3  
42SR020025-Ring 20-25

49310055-M10x55 8,8 FZB

1311160-Cylinder 2  
1311170-Kolv/Piston  
42019200300-O-ring 19,2x3  
42SR020025-Ring 20-25

49310110-M10x110 8,8 FZB  
49411008-M10x8 SK6SS FZB



5516001-We-1400  
5520001-We-1700  
5525001-We-2200

75090608-3/8"UF-1/2"UF Drilled 3mm  
7500608-3/8"UF-1/2"UF  
79508-Tredo 1/2"

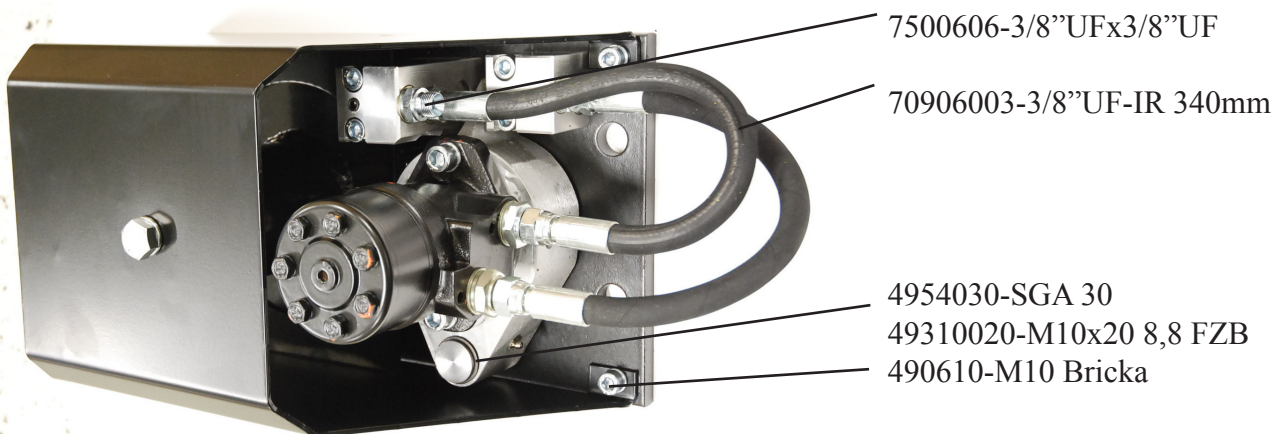
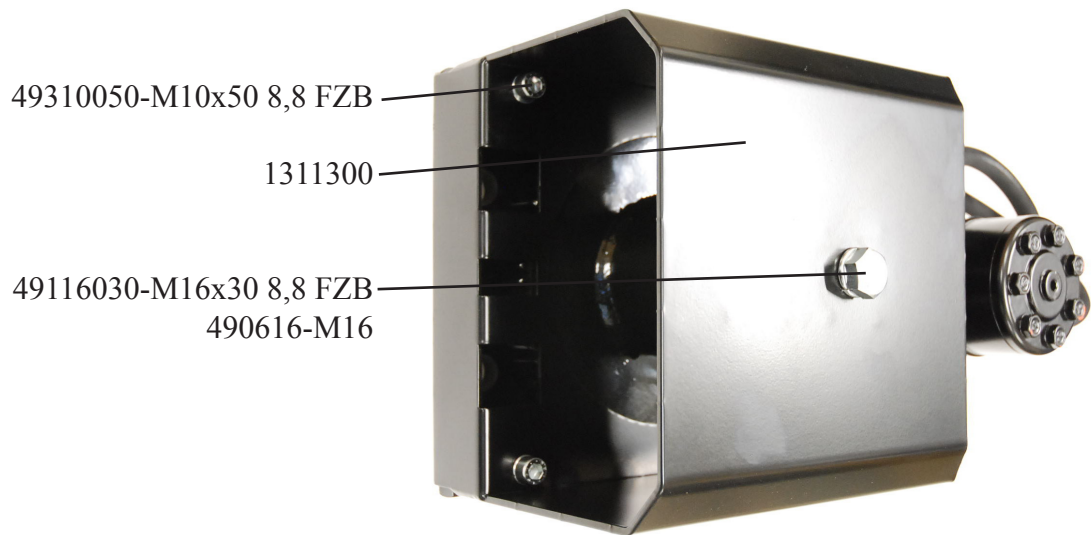
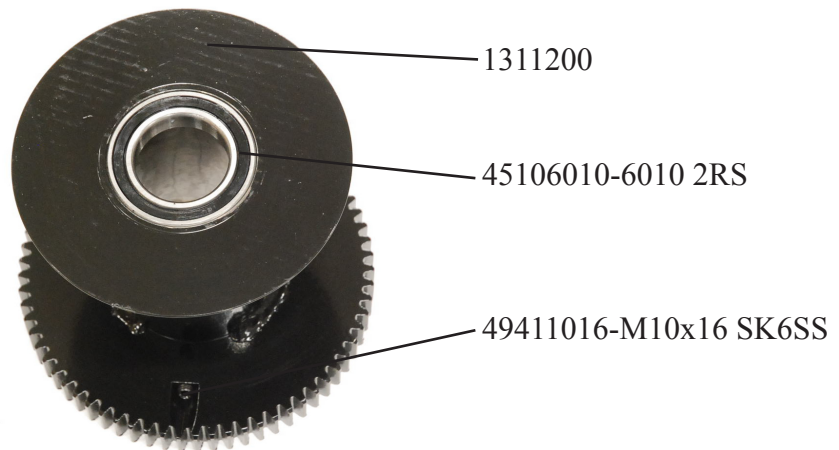
49312030-M12x30 8,8 FZB  
490612-M12

49410816-M8x16 SK6SS

1311180

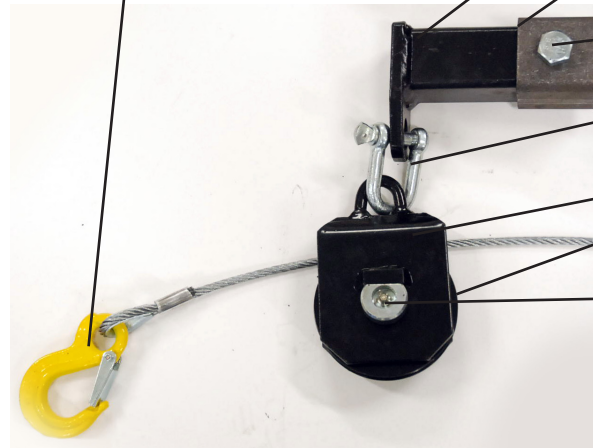
1311190

49511-M8x1,25 Nippel

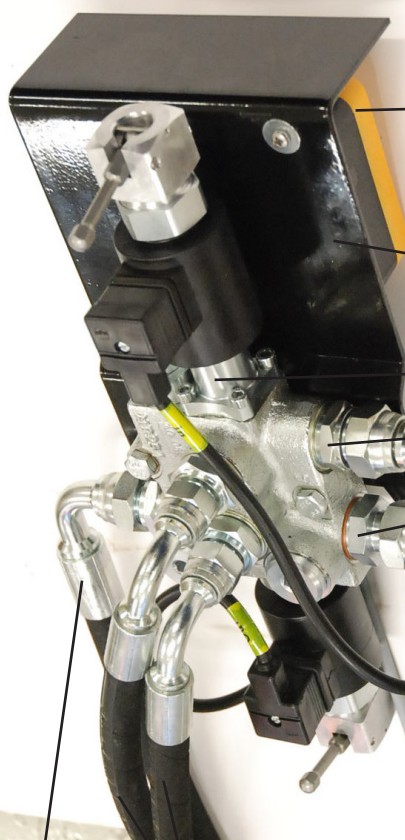




Vajer kompl./Wire compl.  
131010900-6mmx40m  
131010910-8mmx35m



49116080-M16x80  
490216-M16 Nylock  
496312-M12 1/2"  
131012210  
131011500  
131012220-Axel/Axle  
49511-Nippel M8x1,25  
49530640-Pin 6x40mm



82122-Radio compl.  
822121-Sändare/Transmitter

Ventilplåt  
602519-Ventil/Valve  
7500808-1/2"UR-1/2"UF  
60935S-Serienippel

813210

70908325-1/2" IR-90° L=2,5m

70908527-3/8" 45°-90° L=2,7m

70908725-1/2" UF-90° L=2,5m